



Infiltration and Inflow

Background

Infiltration and inflow (I/I) into sewerage systems is an issue for many water utilities and can cause significant issues including increased operational costs, asset deterioration and decreased network capacity. Significant work has been undertaken throughout Australia in identifying and applying management practices for this issue and this project is designed to identify both the previous reviews of best practice infiltration and inflow management as well as the current management practices applied within participating water utilities.

In 2011 WSAA in conjunction with GHD and Urban Water Solutions delivered a comparative review and report on the infiltration and inflow management practices within participating WSAA Member utilities as Stage 1 of a two stage project. The good practice guideline aims to develop a common understanding of I/I practices, determine how I/I can be realistically reduced and identify how other wastewater system improvements can be integrated with I/I management solutions.

Stage 2 which commenced in August 2012 developed a strategic framework for the management of infiltration/inflow and also addressed other issues that were identified through Stage 1. The strategic framework addressed key aspects of the management of I/I including policy, guiding principles, tools and current practices.

This project was completed in 2012 and represents significant research into wastewater system I/I management practices. The outcome is the development of the 'Good Practice Guideline' document, which when adopted, should be of significant value to wastewater system managers around Australia who are considering I/I reduction as a potential successful means of improved management of their wastewater system.

Outcomes and benefits

Outcomes:

- Management of Wastewater System Infiltration and Inflow – Good Practice Guideline
- Strategic Framework for the Management of Infiltration/Inflow – How To Guideline

Benefits:

- Establishing a common understanding of current I/I performance and management processes across the participating WSAA members.
- Benchmarking practices with those used internationally.

How to purchase

This subscription project was funded by participating WSAA Member utilities. Non-participating WSAA Members and those without WSAA membership will be required to purchase the project deliverable. The deliverable will only be made available to water utilities. Prices will be calculated according to a utility's number of connections.

Participating members can access this project via the [WSAA Member Portal](#). If you do not have access to the portal please contact web@wsaa.asn.au.

Further Information

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